

## ASTD/TDI Project Static Report

### *Monitoring and Verification of Tank In Situ Vittrification*

**Focus Area:** Subsurface Contaminants Focus Area

**TTP No.:** ID79SS41

**Lead Site:** Idaho

**Project No.:** 99-ASTD-45

**Tech ID/TMS No.:** N/A

**Related Publication(s):** None

**Web Page(s):**

**Description:** This project combines a number of commercially available sampling and monitoring technologies (limited sample holes containing chemical sampling ports and moisture sampling ports along with thermocouples, non-intrusive geophysical methods) to map in-situ vittrification (ISV) melt boundaries and the elevated temperature zone surrounding the melt area during and after the process.

**Application:** All sites considering ISV of buried waste can utilize this monitoring and verification system.

**Location(s):** INEEL

**Technology(ies):**

Sampling and Monitoring System (Lysimeters, Tensiometers, VOC Sampling, and Geophysical Tomography)

	<b>Funding (\$K):</b>	<b><u>FY-98</u></b>	<b><u>FY-99</u></b>	<b><u>FY-00</u></b>	<b><u>FY-01</u></b>	<b><u>Total</u></b>
<b>TTP No.:</b>	ID79SS41	\$0	\$143	\$48	\$0	\$191
<b>Leverage Source:</b>	SCFA					\$20
<b>Funding Total (\$K):</b>						<b>\$211</b>

<b>Cost Savings (\$M):</b>	<b><u>Proposal</u></b>	<b><u>Deployment Plan/TTP</u></b>	<b><u>Current Focus Area Projection</u></b>
	Pending	Pending	\$431